Background score distribution
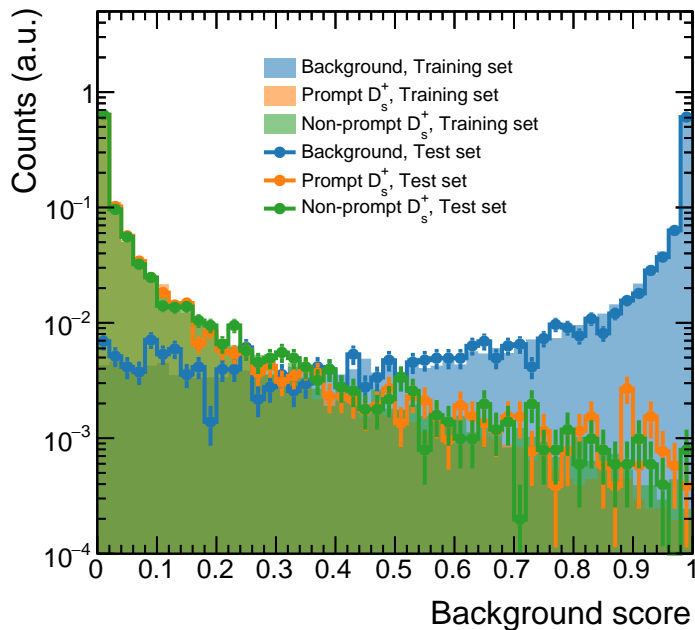
Prompt D_s^+ score distribution

Non-prompt D_s^+ score distribution

Background, Training set
Prompt D_s^+, Training set
Non-prompt D_s^+, Training set
Background, Test set
Prompt D_s^+, Test set
Non-prompt D_s^+, Test set
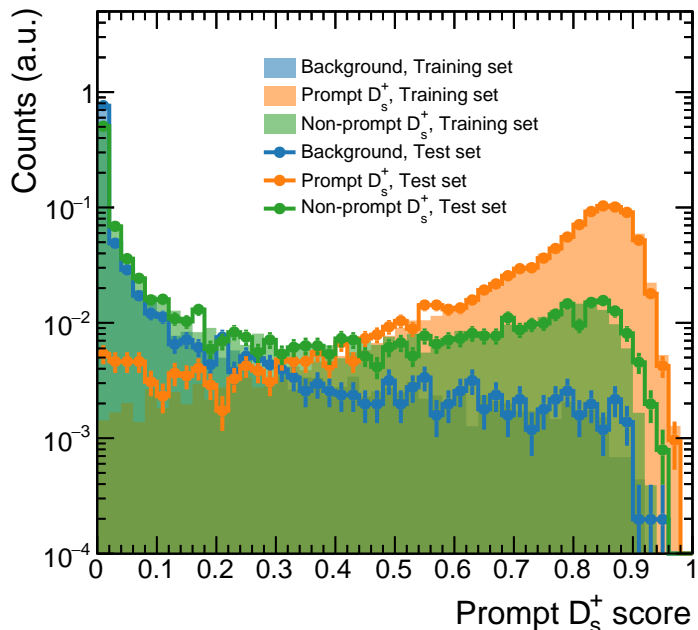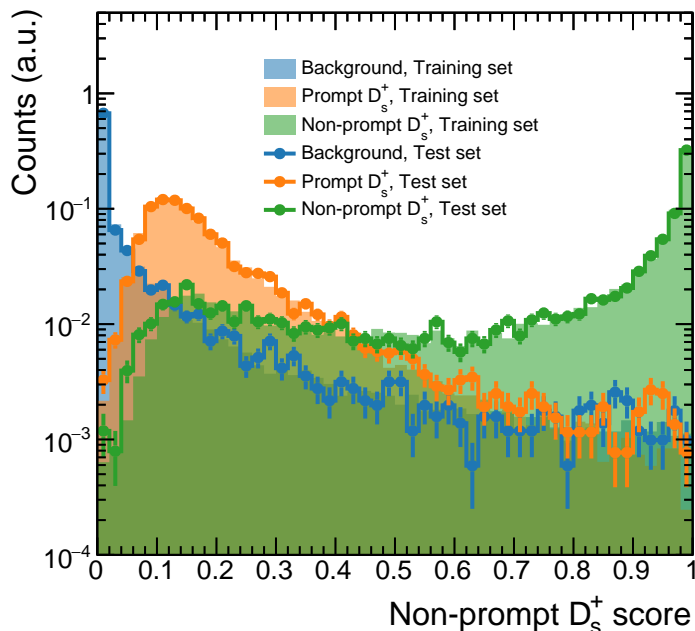
This Thesis
pp collisions, $\sqrt{s}$ = 13.6 TeV

D_s^+, $D^+ \rightarrow \phi\pi^+ \rightarrow K^+K^-\pi^+$
and charge conjugate
$2 < p_T < 3$ GeV/c